

CLAIMS

1. A settlement system, comprising:
  - a mobile communication terminal connectable with
  - 5 a mobile communication network;
  - a settlement input device configured to output data of a charge based on input data of purchased items; and
  - a settlement device able to communicate with the
  - 10 mobile communication terminal and the settlement input device through the mobile communication network, and able to transfer money from a first account to a second account, wherein
  - the settlement input device comprises:
    - 15 a first transmission unit configured to transmit the data of the charge to the mobile communication terminal; and
    - a second transmission unit configured to transmit the data of the charge, identification data of
    - 20 the mobile communication terminal, and identification data of the settlement input device to the settlement device;
    - the settlement device comprises:
      - a control unit configured to transfer an amount of money determined by the data of the charge from the
      - 25 first account determined by the identification data of the mobile communication terminal received from the settlement input device to the second account determined by the identification data of the settlement input device; and
      - a transmission unit configured to transmit the
      - 30 data of the amount of the transferred money to the mobile communication terminal through the mobile communication network; and
      - the mobile communication terminal comprises:

a first reception unit configured to receive the data of the charge from the settlement input device;

a second reception unit configured to receive the data of the amount of the transferred money from the settlement device; and

a display configured to display the data of the charge and the data of the amount of the transferred money.

2. A mobile communication terminal connectable with a mobile communication network and able to communicate with a settlement input device for outputting data of a charge based on input data of purchased items and a settlement device able to transfer money from a first account to a second account through the mobile communication network, the mobile communication terminal comprising:

a first reception unit configured to receive the data of the charge from the settlement input device;

a second reception unit configured to receive the data of the amount of the transferred money from the settlement device through the mobile communication network; and

a display configured to display the data of the charge and the data of the amount of the transferred money.

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3. A mobile communication terminal configured to communicate with a settlement input device for outputting data of a charge based on input data of purchased items, and a settlement device configured to receive identification data of a purchase transaction from the settlement input device, and to transfer money from a first account to a second account when the received identification data of the purchase transaction satisfies

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a predetermined rule relative to stored identification data of a previous purchase transaction, the mobile communication terminal comprising:

5 a reception unit configured to receive the data of the charge from the settlement input device;

a control unit configured to generate the identification data for the purchase transaction, the identification data varying with different purchase transactions according to the predetermined rule; and

10 a transmission unit configured to transmit the identification data of the purchase transaction to the settlement input device.

4. A settlement input device configured to  
15 communicate with a mobile communication terminal connectable with a mobile communication network and a settlement device configured to transfer money from a first account to a second account, the settlement input device comprising:

20 an input unit configured to input data of purchased items and identification data of the mobile communication terminal;

a first transmission unit configured to generate data of a charge based on the input data of the purchased  
25 items, and transmit the data of the charge to the mobile communication terminal; and

a second transmission unit configured to transmit the data of the charge, the identification data of the mobile communication terminal, and identification  
30 data of the settlement input device to the settlement device.

5. A settlement input device configured to communicate with a mobile communication terminal connectable with a mobile communication network and a settlement device configured to transfer money from a first account to a second account, to receive identification data of a purchase transaction and determine whether the received identification data of the purchase transaction satisfy a predetermined rule relative to stored identification data of a previous purchase transaction, and to transmit a determination result, the settlement input device comprising:

an input unit configured to input data of purchased items and identification data of the mobile communication terminal;

a first transmission unit configured to generate data of a charge based on the input data of the purchased items, and transmit the data of the charge to the mobile communication terminal;

a first reception unit configured to receive the identification data of the purchase transaction from the mobile communication terminal, the identification data varying with different purchase transactions;

a second transmission unit configured to transmit the data of the charge, the identification data of the mobile communication terminal, identification data of the settlement input device, and the identification data of the purchase transaction to the settlement device;

a second reception unit configured to receive a determination result for the identification data of the purchase transaction; and

a display for displaying the determination result.

6. A settlement device configured to communicate with a mobile communication terminal connectable with a mobile communication network and a settlement input device configured to output data of a charge based on input data of purchased items and to transmit the data of the charge, identification data of the mobile communication terminal, and identification data of the settlement input device, and said settlement device being able to transfer money from a first account to a second account; the settlement device comprising:

a reception unit configured to receive from the settlement input device the data of the charge, the identification data of the mobile communication terminal, and the identification data of the settlement input device;

a control unit configured to transfer an amount of money determined by the data of the charge from the first account determined by the identification data of the mobile communication terminal received from the settlement input device to the second account determined by the identification data of the settlement input device; and

a transmission unit configured to transmit the data of the amount of the transferred money to the mobile communication terminal through the mobile communication network.

7. A settlement device configured to communicate with a mobile communication terminal connectable with a mobile communication network and a settlement input device configured to output data of a charge based on input data of purchased items, and to transmit the data of the charge, identification data of

the mobile communication terminal, identification data of the settlement input device, and identification data of a purchase transaction received from the mobile communication terminal and varying with different purchase transactions, and said settlement device being able to transfer money from a first account to a second account; the settlement device comprising:

a reception unit configured to receive the data of the charge, the identification data of the mobile communication terminal, the identification data of the settlement input device, and the identification data of the purchase transaction from the settlement input device;

a storage unit configured to store at least identification data of a previous purchase transaction made by the mobile communication terminal; and

a control unit configured to transfer an amount of money determined by the data of the charge from the first account determined by the identification data of the mobile communication terminal to the second account determined by the identification data of the settlement input device, when it is determined, based on the identification data of the previous purchase transaction, that the identification data of the purchase transaction received from the settlement input device satisfies a predetermined rule.

8. The settlement device as claimed in claim 7, further comprising a transmission unit configured to transmit the determination result to the settlement input device.

9. A settlement system, comprising:

a mobile communication terminal connectable with

a mobile communication network;

a settlement input device configured to output data of a charge based on input data of purchased items; and

5 a settlement device able to communicate with the mobile communication terminal and the settlement input device through the mobile communication network, and able to transfer money from a first account to a second account, wherein

10 the settlement input device comprises:

a first transmission unit configured to transmit the data of the charge to the mobile communication terminal; and

15 a second transmission unit configured to transmit the data of the charge, identification data of the mobile communication terminal, and identification data of the settlement input device to the settlement device;

the mobile communication terminal comprises:

20 a reception unit configured to receive the data of the charge from the settlement input device;

a transmission unit configured to transmit the received data of the charge to the settlement device through the mobile communication network; and

the settlement device comprises:

25 a control unit configured to compare the data of the charge from the settlement input device and the data of the charge from the mobile communication terminal, and transfer an amount of money determined by the data of the charge from the first account determined by the  
30 identification data of the mobile communication terminal received from the settlement input device to the second account determined by the identification data of the settlement input device at least when the data of the

charge from the settlement input device and the data of the charge from the mobile communication terminal are in agreement.

5                   10. A mobile communication terminal configured to communicate with a settlement input device for outputting data of a charge based on input data of purchased items and a settlement device able to transfer money from a first account to a second account when  
10 receiving the data of the charge from the mobile communication terminal in agreement with the data of the charge from the settlement input device, the mobile communication terminal comprising:

                  a reception unit configured to receive the data  
15 of the charge from the settlement input device;

                  an input unit; and

                  a transmission unit configured to transmit the received data of the charge to the settlement device through a mobile communication network in response to the  
20 input data from the input unit.

                  11. The mobile communication terminal as claimed in claim 10, further comprising a display that displays a message indicating that the data of the charge  
25 have not been transmitted by the transmission unit when transmission of the data of the charge is not performed even after a predetermined time period elapses from the time when the reception unit receives the data of the charge.

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                  12. A settlement device configured to communicate with a mobile communication terminal connectable with a mobile communication network and a



settlement input device configured to output data of a charge based on input data of purchased items, and said settlement device being able to transfer money from a first account to a second account; the settlement device  
5 comprising:

a reception unit configured to receive the data of the charge, identification data of the mobile communication terminal, and identification data of the settlement input device from the settlement input device,  
10 and receive the data of the charge from the mobile communication terminal; and

a control unit configured to compare the data of the charge from the settlement input device and the data of the charge from the mobile communication terminal, and  
15 transfer an amount of money determined by the data of the charge from the first account determined by the identification data of the mobile communication terminal received from the settlement input device to the second account determined by the identification data of the  
20 settlement input device at least when the data of the charge from the settlement input device and the data of the charge from the mobile communication terminal are in agreement.

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13. The settlement device terminal as claimed in claim 12, further comprising a transmission unit configured to transmit data of an amount of the transferred money to the mobile communication terminal  
30 through the mobile communication network.

14. A settlement system, comprising:

a mobile communication terminal connectable with

a mobile communication network;

a settlement input device configured to output data of a charge based on input data of purchased items; and

5 a settlement device able to communicate with the mobile communication terminal and the settlement input device through the mobile communication network, and able to transfer money from a first account to a second account,

wherein

10 the settlement input device comprises:

a first transmission unit configured to transmit the data of the charge to the mobile communication terminal; and

a second transmission unit configured to  
15 transmit the data of the charge, identification data of the mobile communication terminal, and identification data of the settlement input device to the settlement device;

the mobile communication terminal comprises:

a reception unit configured to receive the data  
20 of the charge from the settlement input device;

a transmission unit configured to transmit the received data of the charge to the settlement device through the mobile communication network; and

the settlement device comprises:

25 a control unit configured to transfer an amount of money determined by the data of the charge from a predetermined account to the second account determined by the identification data of the settlement input device at least when the data of the charge are received from the  
30 settlement input device no matter whether the data of the charge are received or not from the mobile communication terminal, and to compare the data of the charge from the settlement input device and the data of the charge from

the mobile communication terminal, and transfer the amount of money determined by the data of the charge from the first account determined by the identification data of the mobile communication terminal to the predetermined account at least when the data of the charge from the settlement input device and the data of the charge from the mobile communication terminal are in agreement.

15. A settlement device configured to communicate with a mobile communication terminal connectable with a mobile communication network and a settlement input device configured to output data of a charge based on input data of purchased items, and said settlement device being able to transfer money from a first account to a second account; the settlement device comprising:

a control unit configured to transfer an amount of money determined by the data of the charge from a predetermined account to the second account determined by the identification data of the settlement input device at least when the data of the charge, identification data of the mobile communication terminal, and identification data of the settlement input device are received from the settlement input device, no matter whether the data of the charge are received or not from the mobile communication terminal, and to transfer the amount of money determined by the data of the charge from the first account determined by the identification data of the mobile communication terminal to the predetermined account at least when the data of the charge are received from the mobile communication terminal.